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Docket No.

247860US55CONT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

David J. STUCKY, et al.

00111110

SERIAL NO: New U.S. Application

FILED:

Herwtih

FOR:

FOAMED POLYMER-FIBER COMPOSITE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449 were mentioned in Parent Application, Serial No. 09/709,527 filed November 3, 2000.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number <u>15-0030</u>. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

Jean-Paul Lavalleye

Registration No. 31,451

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) Daniel J. Pereira, Ph.D. Registration No. 45,518 Docket No.

247860US55CONT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

David J. STUCKY, et al.

SERIAL NO: New U.S. Application

FILED:

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Daniel J. Pereira, Ph.D. Registration No. 45,518

Form PTO 1449 Modified)		U.S. DEPARTMENT OF PATENT AND TRADEM	COMMERCE ARK OFFICE	ATTY DOCKET NO. 247860US55CONT		SERIAL NO	S. APPL.
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	AA	4,491,553	01/01/85	Yamada et al.		<u> </u>	:
	AB	5,847,016	12/08/98	Cope			. :
	AC	5,866,264	02/02/99	Zehner et al.	:		•
	AD	2,188,396	01/30/40	Semon		:	
	AE	2,489,373	11/29/49	Gilman	·		
	AF	2,519,442	08/22/50	DeLorme et al.			:
	AG	2,935,763	05/10/60	Newman et al.			: :
	AH	3,287,480	11/22/66	Wechsler et al.	1		
	At	3,562,373	02/09/71	Logrippo			
	AJ	3,645,939	02/29/72	Gaylord			:
	AK	3,864,201	02/04/75	Susuki et al.			; ;
	AL	3,867,493	02/18/75	Seki			•
	AM	3,878,143	04/15/75	Baumann et al.			
	AN	3,879,505	04/22/75	Boutillier et al.			
			FO	REIGN PATENT DOCUMENTS			
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	AO	3 801 574	08/03/89	Germany			X
	AP	2 365 017	04/14/78	France			×
**	AQ	WO 90/08020	07/26/90	WIPO-PCT		: X	
	AR	2 036 148	06/25/80	Great Britain		X	
	AS	0 586 211	02/19/97	Europe		Х	
	AT	0 586 212	03/09/94	Europe		Х	
	AU	0 586 213	03/09/94	Europe		X	
	AV	43 07 323	04/15/94	Germany			X
1	-	OTHER REF	ERENCES (Including Author, Title, Date, Pertine	ent Pages,	etc.)	
	AW	1994/95 Basics of Desig	n Engineeri	ng, <i>Machine Design</i> ; pp. 621-622, June	1994	· ·	
	AX	Polymer Engineering an Foamed PCV/Wood Fibe	d Science, Ner Composit	Natuana et al., "Processing and Cell Mo es," Volume 31, Number 7, July 1997,	orphology R pages 1137	elationships -1147.	for Microcellular
	AY	Laurent Matuana-Malan Composites: Processing	da, Chul B. I g and Cell M	Park and John J. Balatinecz, "Production or phology Relationship, ANTEC 96, pg	on of Microc ps. 1900-190	ellular Foan)7	ned PVC/Wood Fibre
	AZ	L. Matuana-Malanda, C. Composites, Journal of	B. Park and Cellular Plas	J.J. Balatinecz, "Characterization of M tics, Volume 32 - September 1996, pg:	icrocellular s. 449-469	Foamed PV	C/Cellulsic-Fibre
xaminer	<u> </u>	•	- 		Date Co	nsidered	

ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE Form PTO 1449 (Modified) NEW U.S. APPL. PATENT AND TRADEMARK OFFICE 247860US55CONT -APPLICANT LIST OF REFERENCES CITED BY APPLICANT STUCKY David et al. GROUP **FILING DATE** Herewith **U.S. PATENT DOCUMENTS** FILING DATE **SUB EXAMINER** - DOCUMENT **CLASS** NAME DATE IF APPROPRIATE CLASS NUMBER INITIAL 11/25/75 Johnson 3,922,328 03/09/76 Hamed. BB 3,943,079 3,954,555 05/04/76 Kole ВС 05/11/76 Pringle 3,956,541 4,012,348 03/15/77 Chelland et al. BE 04/05/77 Pringle 4,016,232 BF Pringle 04/05/77 4,016,233 BG 04/19/77 Baker 4,018,722 BH Daunheimer 06/14/77 4,029,831 ВІ 2 1 2 2 2 1 ΒJ 4,045,603 08/30/77 Smith Goettler et al. 11/01/77 BK 4,056,591 01/31/78 Broyde et al. 4,071,479 01/31/78 Gaylord вм 4.071,494 06/27/78 Pringle 4,097,648 BN FOREIGN PATENT DOCUMENTS **TRANSLATION** DOCUMENT COUNTRY DATE NO YES NUMBER Х 03/16/83 Great Britain 2 104 903 во Х 03/09/94 Europe BP 0 586 211 Х Great Britain 08/19/87 BQ 2 186 655 X BR 2 171 953 09/10/86 **Great Britain** 12/05/75 France BS 2 270 311 X 04/14/78 France 2 365 019 BT Х 08/01/80 France 2 445 885 BU X 11/22/85 France ΒV 2 564 374 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) "Paraloid® Additivies for PVC from Rohm and Haas," Product Update, "Paraloid K400 All-Acrylic Modifier for Cellular Vinyl Products," ©1995 Rohm and Haas Company, Philadelphia, Pa. BW "Suppliers team to expand foam coex into sheet, profiles," from Technology News, Plastics World, Oct. 1996. BX John R. Patterson and James L. Souder, "A More Efficient Processing Aid for Foamed Vinyl," a reprint from Resin Review, BY Volume XLV, Number 1, pages 1-8. "Rigid Vinyl Foam Applications," Rohm and Haas. ΒZ **Date Considered** Examiner *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEM		ATTY DOCKET NO. 247860US55CONT		SERIAL NO. NEW U.S. APPL.		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
. ,	CA	4,102,106	07/25/78	Golder et al.				
	СВ	4,107,110	08/15/78	Lachowicz et al.				
	CC	4,145,389	03/20/79	Smith				
	CD	4,157,415	06/05/79	Lindenberg	<u></u>			
	CE	4,168,251	09/18/79	Schinzel et al.				
	CF	4,178,411	12/11/79	Cole et al.			:	
	CG	4,181,764	01/01/80	Totten				
	СН	4,187,352	02/05/80	Klobbie				
	c	4,191,798	03/04/80	Schumacher et al.				
	CJ	4,203,876	05/20/80	Dereppe et al.		A*.		
	СК	4,228,116	10/14/80	Colombo et al.				
	CL	4,239,679	12/16/80	Rolls et al.			:	
	СМ	4,241,133	12/23/80	Lund et al.				
	CN	4,244,903	01/13/81	Schnause				
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	СО	2 042 176	04/22/71	Germany		:	Х	
	СР	23 44 101	03/06/75	Germany			· X	
	c	58-179242	10/20/83	Japan		:	X	
	CR	60-82319	05/10/85	Japan			Х	
•	CS	63-139946	06/11/88	Japan :		:	X	
	СТ	2-3280512	02/02/90	Japan		<u> </u>	X	
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		OTHER REF	ERENCES (Including Author, Title, Date, Pertine	nt Pages,	etc.)	:	
	cw	"SAFOAM® AP-40 Cher	nical Nuclea	ting and Blowing Agent," Reedy Interna	tional Corp	oration, Spe	ecification Sheet	
	сх	"Measuring Performance	e Improveme	ents with SAFOAM® in Foam Extrusion	Application	s," Reedy Ir	nternational Corporation	
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	CY	*Celogen Foaming Agen	its, CELOGE	N® AZRV" Product Information from U	niroyai Che	emicai		
	CZ	Laurent M. Matuana et a Composites," Polymer E	II., "Processi ngineering a	ng and Cell Morphology Relationships f and Science, Jul. 1997, vol. 37, No. 7, p	or Microce p. 1137-11	llular Foame 47.	ed PVC/Wood-Fiber	
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Form PTO 1449		U.S. DEPARTMENT OF PATENT AND TRADEM	COMMERCE	ATTY DOCKET NO.	7.4	SERIAL N	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS	FILING DATE IF APPROPRIATE
•	DA	4,248,743	02/03/81	Goettler			·
	DB	4,250,222	02/10/81	Mavel et al.		,	
	DC	4,263,184	04/21/81	Leo et al.			
	DD	4,263,196	04/21/81	Schumacher et al.			
	DE	4,272,577	06/09/81	Lyng			
	DF	4,273,688	06/16/81	Porzel et al.	٠.		
	DG	4,303,019	12/01/81	Haataja et al.			·.
	DH	4,305,901	12/15/81	Prince et al.	·		
	DI	4,317,765	03/02/82	Gaylord			
;.	DJ	4,323,625	04/06/82	Coran et al.			1
	DK	4,376,144	03/08/83	Goettler			
	DL	4,382,758	05/10/83	Nopper et al.		٠.	
	DM	4,414,267	11/08/83	Coran et al.			
	DN	4,420,351	12/13/83	Lussi et al.			
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				Cell Morphology on the Properties of N			,,,
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEM	COMMERCE MARK OFFICE	ATTY DOCKET NO. 247860US55CONT		SERIAL NO). S. AP	PL. ;
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		ING DATE PROPRIATE
· · · ·	EA	4,430,468	02/07/84	Schumacher				• •
	EB	2,635,976	04/21/53	Meiler et al.				· .
	EC	2,680,102	06/01/54	Becher et al.				•
	ED	2,789,903	04/23/57	Lukman et al.				
	EE	2,926,729	03/01/60	Zanini				·
	EF	3,147,518	09/08/64	Horgan				• • • • • • • • • • • • • • • • • • • •
	EG	3,308,218	03/07/67	Wiegand et al.	.,			
	EH	3,309,444	03/14/67	Schueler				
	EI	3,349,538	10/31/67	Crossman				
	EJ	3,492,388	01/27/70	Inglin-Knüsel	4.		• • • • • • • • • • • • • • • • • • • •	
	EK	3,493,527	02/03/70			٠.		
	EL	3,671,615	06/20/72	Price	- 47		• .	
	EM	3,844,084	10/29/74	Hubbard et al.		٠.		
	EN	3,899,559	08/12/75	Johnanson et al.				
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SERIAL NO. ATTY DOCKET NO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE NEW U.S. APPL. Form PTO 1449 247860US55CONT (Modified) APPLICANT STUCKY David et al. LIST OF REFERENCES CITED BY APPLICANT GROUP **FILING DATE** Herewith .. U.S. PATENT DOCUMENTS **FILING DATE** SUB EXAMINER DOCUMENT CLASS NAME IF APPROPRIATE DATE CLASS INITIAL NUMBER 09/09/75 Jacquelin et al. 3,904,726 Forquer et al. 3,931,384 01/06/76 FB 05/11/76 McKean FC 3,956,555 07/13/76 Fremont et al. FD 3,969,459 4,005,162 01/25/77 Bucking 07/05/77 Sundén 4,033,913 Flanders 11/15/77 FG 4,058,580 4,115,497 09/19/78 Halmø et al. FH 02/03/81 Haataja FI 4,248,820 Luck et al. 07/07/81 FJ 4,277,428 4,281,039 07/28/81 Miura et al. FΚ Wessling et al. 01/17/84 4,426,470 FL Haataja et al. 04/03/84 FΜ 4,440,708 Suzuki et al. 03/19/85 4,506,037 FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT COUNTRY DATE YES NUMBER FO FP FQ FR FS FT FU F۷ OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) FW FX FΖ Dat Consid red Examiner *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw lin through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF C	OMMERCE RK OFFICE	ATTY DOCKET NO. 247680US55CONT		SERIAL NO	O. S. APPL.
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EXAMINER		DOCUMENT			01.400	SUB	FILING DATE
INITIAL		NUMBER	DATE	NAME ·	CLASS	CLASS	IF APPROPRIATE
	GA	4,455,709	06/26/84				
	GB	4,290,988		Nopper et al.			
	GC	4,311,554	01/19/82		<u> </u>		
	GD	4,311,621		Nishizawa et al.		ļ	
	GE	4,328,136	05/04/82	`		<u> </u>	
	GF	4,382,108	05/03/83	Carroll et al.			:
	GG	4,393,020	07/12/83	Li et al.		<u> </u>	: '
	GH	4,454,091	06/12/84	Chion et al.	ļ		
	GI	4,481,701	11/13/84	Hewitt	<u> </u>	<u> </u>	
	GJ	4,503,115	03/05/85	Hemels et al.			· · · · · · · · · · · · · · · · · · ·
	GK	4,508,595	04/02/85	Gasland		:	: :
	GL	4,551,294	11/05/85	Wottka et al.			
	GM	4,562,218	12/31/85	Fornadel et al.			
	GN	4,594,372	06/10/86	Natov et al.			
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	HA	4,597,928	07/01/86	Terentiev et al.			•	
	НВ	4,610,900	09/09/86	Nishibori				
	НС	4,619,097	10/28/86	Trummer et al.				
	HD	4,645,631	02/24/87	Hegenstaller et al.				
	HE	4,659,754	04/21/87	Edwards et al.				
	HF	4,663,225	05/05/87	Farley et al.	l			
	HG	4,686,251	08/11/87	Ostermann et al.			•	
	НН	4,687,793	08/18/87	Motegi et al.				
	НІ	4,716,062	12/29/87	Klein				
	HJ	4,734,236	03/29/88	Davis	1			
	НК	4,737,532	04/12/88	Fujita et al.		1		
·	HL	4,769,109	09/06/88		<u> </u>			
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	HN	4,774,272		Lamphere et al.		 		16
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		NG DATE PROPRIATE
	IA	4,790,966	12/13/88	Sandberg et al.				
	IB	4,818,604	04/04/89	Tock			,	÷
	IC	4,820,763	04/11/89	Yang	· .			
	ID	2,489,373	11/29/49	Petri .				
	ΙE	4,652,218	03/24/87	Tsutsui et al.				
	IF	4,717,742	01/05/88	Beshay				:
	IG	4,783,493	11/08/88	Motegi	٠.			
	ΙH	4,789,604	12/06/88	van der Hoeven				
	l)	4,791,020	12/13/88	Kokta				
	· IJ·	4,801,495	01/31/89	van der Hoevan				
	ΙK	4,820,749	04/11/89	Beshay ·				:]
	IL	4,851,458	07/25/89	Hopperdietzel	7			
	IM	4,865,778	09/12/89	Davis			1	
	ΪΝ	4,889,673	12/26/89	Takimoto		<u>.</u>		_
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EXAMINER		DOCUMENT NUMBER	DATE	NAME .	CLASS	SUB		NG DATE
INITIAL	JA	4,892,774	01/01/90	Vailance	 	02700		
	JB	4,894,192	01/16/90					
	JC	4,915,764	04/10/90					*
	JD	4,927,572		van der Hoeven	-			
· ·	JE	4,927,579	05/22/90					
	JF	4,929,688		Agren et al.	- }			
				Ehner et al.	+			
	JG	4,935,182			+	-		
	JH	4,960,548	10/02/90			ļ		
	JI	4,968,463		Levasseur		 		
• •	JJ	4,973,440	11/27/90	Tamura et al.				
	JK	4,978,489	12/18/90	Radvan et al.				
	JL	4,978,575	12/18/90	Ziess			<u> </u>	
	JМ	4,988,478	01/29/91	Held		•		: 1
	JN	5,002,713	03/26/91	Palardy et al.				•
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EXAMINER INITIAL	·	DOCUMENT NUMBER	DATE		NAME ·	CLASS	SUB CLASS		LING DATE PPROPRIATE		
	КА	5,008,310	04/16/91	Beshay					100		
	KB	5,009,586	04/23/91	Pallmann ·	•.						
	кс	5,021,490	06/04/91	Vyvoda et al.		٠.					
	KD	5,049,334	09/17/91	Bach			<u> </u>				
•	KE	5,057,167	10/15/91	Gersbeck			<u> </u>		<u> </u>		
	KF	5,064,592	11/12/91	Ueda et al.					•		
	KG	5,075,057	12/24/91	Hoedl							
	кн	5,078,937	01/07/92								
	KI	5,082,605	01/21/92	Brooks et al.					ē		
	KJ	5,087,400	. 02/11/92	Theuveny			1 1/2				
	КК	5,088,910	02/18/92	Goforth et al.							
	KL	5,093,058	03/03/92	Harmon et al.		•."	<u> </u>	٠.			
	КМ	5,096,046		Goforth et al.							
	KN	5,096,406	03/17/92	Brooks et al.	•	<u> </u>	<u> </u>				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		G DATE ROPRIATE
	LA	5,120,776	06/09/92	Raj et al.				
	LB	5,153,241	10/06/92	Beshay				
:	LC	5,164,267	11/17/92	D'Heur et al.				
	LD	5,194,461	03/16/93	Bergquist et al.				
	LE	5,272,000	12/21/93	Chenoweth et al.				
	LF	5,276,082	01/04/94	Forry et al.				
77	LG	5,288,772	02/22/94	Hon				
	LH	5,302,634	04/12/94	Mushovic	· .		_	
	LI	5,369,147	11/29/94	Mushovic				
	LJ	5,406,768	04/18/95	Giuseppe et al.				
	LK	5,474,722	12/12/95	Woodhams		·		
	LL	5,480,602	01/02/96	Nagaich	_			
	LM	5,486,553	01/23/96	Deaner et al.				:
	LN	5,508,103	04/16/96	Cope) #. 			
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	MA	5,532,065	07/02/96	Gübitz et al.	 			
	МВ	5,576,374	11/19/96	Betso et al.				
	мс	5,593,625	01/14/97	Riebel et al.		7		
	MD	5,635,125	06/03/97	Ternes et al.				
	ME	5,654,091	08/05/97	Kiriazis et al.			·	
	MF	4,273,688	06/16/81	Porzel et al.		\Box		
	MG	4,303,019	12/01/81	Haataja et al.	<u> </u>			
	МН	4,305,901	12/15/81	Prince et al.				
	МІ	4,317,765	03/02/82	Gaylord				
1.00	·MJ	4,323,625	04/06/82	Coran et al.				
	мк	4,376,144	03/08/83	Goettler				
	ML	4,382,758	05/10/83	Nopper et al.		1.77		
	ММ	4,414,267	11/08/83	Coran et al.				
	MN	4,420,351	12/13/83	Lussi et al.				
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EXAMINER INITIAL	•	DOCUMENT NUMBER	DATE	NAME .	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
	NA	5,102,922	04/92	Kimura et ai.	,				
	NB	3,983,295	09/28/76	Murer et al.					
·.	NC	5,461,839	10/31/95	Beck			1.		
	ND	5,391,585	02/21/95	Grohman					
	NE	5,486,553	01/23/96	Deaner et al.			·		
	NF	5,088,910	02/18/92	Goforth et al.			*		
	NG	5,332,602	07/26/94	Barré et al.		,	· .		
	NH	5,406,768	04/18/95	Giuseppe et al.	-				
	· NI	4,505,869	03/19/85	Nishibori					
	NJ	4,480,061	Ļ	Coughlin et al.					
<u> </u>	NK	3,888,810		Shinomura		1			
	NL	5,565,056	ļ. ———	Lause et al.					
	NM	5,506,031		On all and all					
· .	NN	5,441,816		Grohman		1			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS		ING DATE PROPRIATE
	OA	5,271,699	· 12/21/93	Barré et al.		•			
	ОВ	5,224,318	07/06/93	Kemerer	·				•.
	ос	5,422,399	06/06/95	Cozens et al.		•).
	OD	5,087,669	02/11/92	Prejean					
	OE	5,346,954	09/13/94	Wu et al.					e) , <u>l</u>
	OF	5,516,472	05/14/96	Laver					
	OG	5,497,594	03/12/96	Giuseppe et al.		•.			
	ОН	5,585,155	12/17/96	Heikkila et al.					
	OI	5,441,801	08/15/95	Deaner et al.					2.4
	OJ	5,539,027	07/23/96	Deaner et al.					
	ОК	5,439,749	08/08/95	Klasell et al.				1	
	OL	5,518,677	05/21/96	Deaner et al.		·			
	ОМ	5,997,784	12/07/99	Kamoski			1		A 14
	ON	4,187,352	02/80/83	Klobbie					
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	PA	3,764,642	10/09/73	Boutillier				
	РВ	3,879,505	04/22/75	Boutillier et al.				
	PC	3,903,023	09/02/75	Boutillier et al.				
	PD	3,937,777	02/10/76	Wienand et al.				
	PE	3,978,632	09/07/76	Ansted				
	PF	4,028,449	06/07/77	Kakitani et al.	1.			
	PG	4,031,045	06/21/77	Goswami			·	
	PH	4,234,641	11/18/80	Thompson et al.				
	· PI	4,473,665	09/25/84	Martini-Vvedensky et al.				
	PJ	4,510,201	04/09/85	Takeuchi et al.	· ·			
	PK	4,948,655		Danese .		·		
	PL	4,956,234	09/11/90	Morales				
	РМ	5,102,922	04/07/92	Kimura et al.				
	PN	5,245,141	09/14/93	Fortez et al.				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	QA	5,300,533	04/05/94	Dahl et al.	- 	!	
	QB	5,334,622	08/02/94	Bergvist			
	QC	5,363,611	11/15/94	Richardson et al.	1	 	
	QD	5,406,768	04/18/95	Giuseppe et al.	-	-	
	QE	5,539,027	07/23/96	Deaner et al.	 		
· ·	QF	5,847,016	12/08/98	Cope	 		
	QG	6,054,207	04/25/00		+		
	QH	4,929,409	-	Agren et al.			•
	QI	5,075,359	12/24/91				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE			
	AA	5,497,594	3/12/96	GIUSEPPE, et al.						
	AB	4,185,416	1/29/80	WILMES	· · ·		٠.	·		
	AC	4,726,147	2/23/88	BESKE, et al.		1.				
	AD	4,237,664	12/9/80	WILMES	•					
	AE	4,693,043	9/15/87	KNAPP			•			
	AF	4,566,831	1/28/86	GROTH						
	AG	4,528,788	7/16/85	YACKIW, et al.						
	AH	4,154,033	5/15/79	KRUEGER, et al.						
	. Al	5,199,234	4/6/93	GUHL	1.	1 1	:			
	AJ	4,976,066	12/11/90	PLUMMER, et al.	 	11	· · · · · · · · · · · · · · · · · · ·	-		
	AK	4,958,469	9/25/90	PLUMMER						
	AL	5,150,983	9/29/92	BOGENHAGEN	 	1 1	·	_		
	AM	5,097,629	3/24/92	GUHL, et al.	· · · · ·	1 1				
	AN	5,092,640	3/3/92	PLUMMER		1 1				
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LIST OF	REFEF	RENCES CITED BY APPL	ICANT	David J. S	′, et al.				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		ING DATE PROPRIATE	
	AA	5,086,601	2/11/92	GALOWITZ, et al.					
•	AB	5,010,708	4/30/91	EVANS, et al.					
	AC	4,999,950	3/19/91	BESKE, et al.					
	AD .	4,780,998	11/1/88	KNAPP					
	AE	5,548,698	8/20/96	SMITH, et al.					
	AF	5,205,102	4/27/93	PLUMMER .	0				
	AG	5,217,264	6/8/93	FIER					
	АН	5,301,467	4/12/94	SCHMIDT, et al.		* L.J.A			
	Al	5,243,783	9/14/93	SCHMiDT, et al.					
	AJ	5,435,866	7/25/95	PUPPIN					
	AK	5,406,768	4/18/95	GIUSEPPE, et al.	- 1				
	AL	5,355,644	10/18/94	GUHL, et al.					
	AM	5,332,204	7/26/94	PUPPIN				-	
	AN	5,554,450	8/13/96	SCHMIDT, et al.					
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	SUB FILING DATE CLASS IF APPROPRIATE			
	AA	5,491,940	2/20/96	BRUCHU				
	·AB	5,486,553	1/23/96	DEANER, et al.				· · ·
	AC	5,467,564	11/21/95	DeKYSER, et al.		5.		
	AD	5,441,801	8/15/95	DEANER, et al.				<u> </u>
	AE	5,439,749	8/8/95	KLASELL, et al.	<u> </u>			· .
	AF	5,205,074	4/27/93	GUHL, et al.				
	AG	5,981,067	11/9/99	SEETHAMRAJU, et al.	(3)	<u> </u>		
,	AH	5,566,507	10/22/96	SCHMIDT, et al.				
	· Al	5,585,155	12/17/96	HEIKKILA, et al.			• • •	
	AJ	5,584,016	12/10/96	VARGHESE, et al.	•			
	AK	5,582,445	12/10/96	OLSEN, et al.			• • •	
	AL	5,570,292	10/29/96	ABRAHAM, et al.				
	AM	5,773,138	6/30/98	SEETHAMRAJU, et al.				
	AN	5,740,632	4/21/98	PETERSON, et al.				
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LIST OF REFERENCES CITED BY APPLICANT	Form PTO 1449		U.S. DEPARTMENT OF	COMMERCE	ATTY DOCKET NO.		SERIAL N	۷0.		
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AB 5,687,533				DATE	NAME	CLASS		FILING DATE . IF APPROPRIATE		
AC 5,687,519		AA	5,695,874	12/9/97	DEANER, et al.					
AD 5,682,713		AB	5,687,533	11/18/97	BRUCHU					
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AH 5,522,017 4/22/97 LYNN, et al. AI 5,503,855 2/16/97 BRUCHU, et al. AJ 5,555,684 9/17/96 GALOWITZ, et al. AL 5,948,524 9/7/99 SEETHAMRAUU, et al. AM 5,948,505 9/7/99 PUPPIN AN 5,932,334 8/3/99 DEANER, et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY TRANSLATION YES NO AP AP AQ AR		AF	5,657,579	8/19/97	BRUCHU, et al.	1				
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LIST OF	REFEF	RENCES CITED BY APPI	LICANT	David J.	STUCKY	', et al.		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE.	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	AA	5,902,657	5/11/99	HANSON, et al.	 			
	AB	5,882,564	3/16/99	PUPPIN	·		·	
	AC	5,837,095	11/17/98.	BRUCHU, et al.				
	AD	5,822,931	10/20/98	GALOWITZ, et al.				
	AE	5,787,657	8/4/98	LIBRANDE, et al.				
	AF	5,779,384	7/14/98	OLSEN .				
	AG	5,775,749	7/7/98	REITHMEYER, et al.				
	ΑH	5,827,607	10/27/98	DEANER, et al.			·	
	Al	6,280,667 B1	8/28/01	KOENIG, et al.			• 1	
	Ą	5,540,019	7/30/96	BESKE, et al.				
	AK	6,357,197 B1	3/19/02	SERINO, et al.	:	.]		
	AL.	5,948,505	9/7/99	PUPPIN	1 4			
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	AA	5,882,564	3/16/99	PUPPIN			,	
	AB	6,265,037	7/24/01	GODAVARTI, et al.				
	AC	6,210,792 B1	4/3/01	SEETHAMRAJU, et al.				
	AD	6,122,877	9/26/00	HENDRICKSON, et al.				
L. Sys.	AE	6,112,463	9/5/00	REITHMEYER, et al.				
	AF	6,055,783	5/2/00	GUHL, et al.				
	AG	6,054,207	4/25/00	FINLEY				
	АН	6,015,612	1/18/00	DEANER, et al.				
	· Al	6,007,656	12/28/99	HEIKKILA, et al.	Ţ <u>.</u>			
	AJ	6,004,668	12/21/99	DEANER, et al.	<u>.</u>			·
	AK	5,985,429	11/16/99	PLUMMER, et al.		· .		
	AL	5,981,067	11/9/99	SEETHAMRAJU, et al.				
	AM	5,965,874	10/12/99	ASO, et al.				
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•	AA	5,948,524	9/7/99	SEETHAMRAJU, et al.					
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INITIAL	AA	5,082,605	1/92	Brooks, et al.	 	02.00	7	
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	AD	5,847,016	12/98	Cope				
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